



## **AROMA IST-4-027567**

**D13-a**

**Simulation tools: final version capabilities and features (updated version)**

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### **Abstract:**

**This deliverable provides a brief description of the AROMA simulation tools set capabilities, at a project final stage, being an update of Deliverable D06, where initial descriptions were provided. Since D06 was issued, the project has kept 7 simulators unchanged, 5 others were upgraded, and 5 others were newly developed. The document is an overview of the main functional blocks, inputs, models and algorithms and simulation strategies of the simulation tools that were either upgraded or newly developed. The whole set of tools are complementary, in a project framework context, each of them being more focused on a given topic; therefore, the whole set provides and covers a wide range of RRM/CRRM models, algorithms, services, network strategies and architectures. This report has been updated, since after D13 was delivered to the EC, a new simulator was developed: the IST-TUL RRM WiMAX simulator. Additionally, was included information related with simulators validation and comparison.**

**Keyword list: Wireless Heterogeneous Simulation tools, GERAN, UTRAN, WLAN, WiMAX.**

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